

Abstract

A method and apparatus for enabling Orthogonal codes to be reused within the same cell of a code division multiple access telecommunication network includes an base station transceiver system that comprises logic circuitry for enabling the base station transceiver system to reuse Orthogonal codes in a manner that reduces the likelihood of collision between two mobile stations having the same Orthogonal code and corresponding communication channels. The method of the present invention specifically includes analyzing user characteristics including factors such as his physical movement, location and mobile station communication type, as well as angular placement .